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FILE 'MEDLINE' ENTERED AT 18:14:54 ON 04 SEP 2003

FILE LAST UPDATED: 4 SEP 2003 (20030904/UP). FILE COVERS 1958 TO DATE.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s (Glotzer, M.? or Glotzer M.?)/au  
1 GLOTZER, M.?/AU  
1 GLOTZER M.?/AU  
L1 1 (GLOTZER, M.? OR GLOTZER M.?)/AU

=> d 11

L1 ANSWER 1 OF 1 MEDLINE on STN  
AN 86059533 MEDLINE  
DN 86059533 PubMed ID: 2999153  
TI Mitochondrial uncoupling protein from mouse brown fat. Molecular cloning, genetic mapping, and mRNA expression.  
AU Jacobsson A; Stadler U; **Glotzer M A**; Kozak L P  
NC HD08431 (NICHD)  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1985 Dec 25) 260 (30) 16250-4.  
Journal code: 2985121R. ISSN: 0021-9258.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198601  
ED Entered STN: 19900321  
Last Updated on STN: 19990129  
Entered Medline: 19860122

=> s (Romano, A.? or Romano A.?)/au  
100 ROMANO, A.?/AU  
100 ROMANO A.?/AU  
L2 100 (ROMANO, A.? OR ROMANO A.?)/AU

=> s (Mishima, M.? or Mishima M.?)/au  
0 MISHIMA, M.?/AU  
0 MISHIMA M.?/AU  
L3 0 (MISHIMA, M.? OR MISHIMA M.?)/AU

=> s (Jantsch-Plunger, V.? or Jantsch-Plunger V.?)/au  
0 JANTSCH-PLUNGER, V.?/AU  
0 JANTSCH-PLUNGER V.?/AU  
L4 0 (JANTSCH-PLUNGER, V.? OR JANTSCH-PLUNGER V.?)/AU

=> s cyk-4  
17 CYK

1894193 4

L5 4 CYK-4  
(CYK(W)4)

=> s MgcRacGAP

L6 11 MGCRCAGAP

=> d L5 1-4

L5 ANSWER 1 OF 4 MEDLINE on STN  
AN 2002266888 MEDLINE  
DN 22001411 PubMed ID: 12006612  
TI Rho-binding kinase (LET-502) and myosin phosphatase (MEL-11) regulate cytokinesis in the early *Caenorhabditis elegans* embryo.  
AU Piekny Alisa J; Mains Paul E  
CS Genes and Development Research Group, Department of Biochemistry and Molecular Biology, University of Calgary, 3330 Hospital Drive NW, Calgary, Alberta, Canada, T2N 4N1.  
SO JOURNAL OF CELL SCIENCE, (2002 Jun 1) 115 (Pt 11) 2271-82.  
Journal code: 0052457. ISSN: 0021-9533.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200212  
ED Entered STN: 20020514  
Last Updated on STN: 20021217  
Entered Medline: 20021203

L5 ANSWER 2 OF 4 MEDLINE on STN  
AN 2002056614 MEDLINE  
DN 21642111 PubMed ID: 11782313  
TI Central spindle assembly and cytokinesis require a kinesin-like protein/RhoGAP complex with microtubule bundling activity.  
CM Comment in: Dev Cell. 2002 Jan;2(1):4-6  
AU Mishima Masanori; Kaitna Susanne; Glotzer Michael  
CS Research Institute of Molecular Pathology, Dr. Bohr-Gasse 7, A-1030, Vienna, Austria.  
SO Dev Cell, (2002 Jan) 2 (1) 41-54.  
Journal code: 101120028. ISSN: 1534-5807.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200202  
ED Entered STN: 20020125  
Last Updated on STN: 20020209  
Entered Medline: 20020208

L5 ANSWER 3 OF 4 MEDLINE on STN  
AN 2001200193 MEDLINE  
DN 21184103 PubMed ID: 11287179  
TI Mice with a homozygous gene trap vector insertion in *mgcRacGAP* die during pre-implantation development.  
AU Van de Putte T; Zwijsen A; Lonnoy O; Rybin V; Cozijnsen M; Francis A; Baekelandt V; Kozak C A; Zerial M; Huylebroeck D  
CS Department of Cell Growth, Differentiation and Development (VIB-07), Flanders Interuniversity Institute for Biotechnology (VIB) and Laboratory of Molecular Biology (CELGEN), University of Leuven, Herestraat 49, 3000, Leuven, Belgium.  
SO MECHANISMS OF DEVELOPMENT, (2001 Apr) 102 (1-2) 33-44.  
Journal code: 9101218. ISSN: 0925-4773.  
CY Ireland

DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200108  
ED Entered STN: 20010820  
Last Updated on STN: 20010820  
Entered Medline: 20010816

L5 ANSWER 4 OF 4 MEDLINE on STN  
AN 2000330160 MEDLINE  
DN 20330160 PubMed ID: 10871280  
TI **CYK-4**: A Rho family gtpase activating protein (GAP)  
required for central spindle formation and cytokinesis.  
AU Jantsch-Plunger V; Gonczy P; Romano A; Schnabel H; Hamill D; Schnabel R;  
Hyman A A; Glotzer M  
CS Research Institute of Molecular Pathology, A-1030 Vienna, Austria.  
SO JOURNAL OF CELL BIOLOGY, (2000 Jun 26) 149 (7) 1391-404.  
Journal code: 0375356. ISSN: 0021-9525.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200008  
ED Entered STN: 20000811  
Last Updated on STN: 20000811  
Entered Medline: 20000801

=> d L6 1-11

L6 ANSWER 1 OF 11 MEDLINE on STN  
AN 2003208695 MEDLINE  
DN 22615220 PubMed ID: 12590651  
TI Rho family GTPase Rnd2 interacts and co-localizes with **MgcRacGAP**  
in male germ cells.  
AU Naud Nathalie; Toure Aminata; Liu Jianfeng; Pineau Charles; Morin  
Laurence; Dorseuil Olivier; Escalier Denise; Chardin Pierre; Gacon Gerard  
CS Institut Cochin, Departement de Genetique, Developpement et Pathologie  
Moleculaire, INSERM U567/CNRS UMR8104, 24 rue du Faubourg Saint Jacques,  
75014 Paris, France.  
SO BIOCHEMICAL JOURNAL, (2003 May 15) 372 (Pt 1) 105-12.  
Journal code: 2984726R. ISSN: 0264-6021.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200307  
ED Entered STN: 20030506  
Last Updated on STN: 20030704  
Entered Medline: 20030703

L6 ANSWER 2 OF 11 MEDLINE on STN  
AN 2003199940 MEDLINE  
DN 22605531 PubMed ID: 12718869  
TI Closing the GAP: a role for a RhoA GAP in cytokinesis.  
AU Maddox Amy Shaub; Oegema Karen  
CS Ludwig Institute for Cancer Research, University of California, San Diego,  
CMM-East 3080, 9500 Gilman Drive, La Jolla 92093, USA.  
SO MOLECULAR CELL, (2003 Apr) 11 (4) 846-8. Ref: 11  
Journal code: 9802571. ISSN: 1097-2765.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)

(REVIEW, TUTORIAL)

LA English  
FS Priority Journals  
EM 200306  
ED Entered STN: 20030430  
Last Updated on STN: 20030619  
Entered Medline: 20030618

L6 ANSWER 3 OF 11 MEDLINE on STN  
AN 2003170934 MEDLINE  
DN 22575349 PubMed ID: 12689593  
TI Phosphorylation by aurora B converts **MgcRacGAP** to a RhoGAP during cytokinesis.  
AU Minoshima Yukinori; Kawashima Toshiyuki; Hirose Koichi; Tono-zuka Yukio; Kawajiri Aie; Bao Ying Chun; Deng Xingming; Tatsuka Masaaki; Narumiya Shuh; May W Stratford Jr; Nosaka Tetsuya; Semba Kentaro; Inoue Takafumi; Satoh Takaya; Inagaki Masaki; Kitamura Toshio  
CS Division of Hematopoietic Factors, The Institute of Medical Science, University of Tokyo, Minato-ku, Tokyo 108-8639, Japan.  
SO Dev Cell, (2003 Apr) 4 (4) 549-60.  
Journal code: 101120028. ISSN: 1534-5807.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200306  
ED Entered STN: 20030416  
Last Updated on STN: 20030617  
Entered Medline: 20030616

L6 ANSWER 4 OF 11 MEDLINE on STN  
AN 2002209029 MEDLINE  
DN 21939133 PubMed ID: 11942621  
TI Role of **MgcRacGAP**/Cyk4 as a regulator of the small GTPase Rho family in cytokinesis and cell differentiation.  
AU Kitamura T; Kawashima T; Minoshima Y; Tono-zuka Y; Hirose K; Nosaka T  
CS Division of Cellular Therapy, Advanced Clinical Research Center, and The Institute of Medical Science, University of Tokyo, Japan..  
kitamura@ims.u-tokyo.ac.jp  
SO CELL STRUCTURE AND FUNCTION, (2001 Dec) 26 (6) 645-51.  
Journal code: 7608465. ISSN: 0386-7196.  
CY Japan  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200210  
ED Entered STN: 20020412  
Last Updated on STN: 20021010  
Entered Medline: 20021008

L6 ANSWER 5 OF 11 MEDLINE on STN  
AN 2001335071 MEDLINE  
DN 21282968 PubMed ID: 11278976  
TI Tat1, a novel sulfate transporter specifically expressed in human male germ cells and potentially linked to rhoGTPase signaling.  
AU Toure A; Morin L; Pineau C; Becq F; Dorseuil O; Gacon G  
CS Institut Cochin de Genetique Moleculaire, Departement de Genetique, Developpement et Pathologie Moleculaire, INSERM Unite 257, 24 Rue du Faubourg Saint-Jacques, 75014 Paris, France.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Jun 8) 276 (23) 20309-15.  
Journal code: 2985121R. ISSN: 0021-9258.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)

LA English  
 FS Priority Journals  
 EM 200107  
 ED Entered STN: 20010716  
 Last Updated on STN: 20030105  
 Entered Medline: 20010712

L6 ANSWER 6 OF 11 MEDLINE on STN  
 AN 2001200193 MEDLINE  
 DN 21184103 PubMed ID: 11287179  
 TI Mice with a homozygous gene trap vector insertion in **mgcRacGAP** die during pre-implantation development.  
 AU Van de Putte T; Zwijsen A; Lonnoy O; Rybin V; Cozijnsen M; Francis A; Baekelandt V; Kozak C A; Zerial M; Huylebroeck D  
 CS Department of Cell Growth, Differentiation and Development (VIB-07), Flanders Interuniversity Institute for Biotechnology (VIB) and Laboratory of Molecular Biology (CELGEN), University of Leuven, Herestraat 49, 3000, Leuven, Belgium.  
 SO MECHANISMS OF DEVELOPMENT, (2001 Apr) 102 (1-2) 33-44.  
 Journal code: 9101218. ISSN: 0925-4773.  
 CY Ireland  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200108  
 ED Entered STN: 20010820  
 Last Updated on STN: 20010820  
 Entered Medline: 20010816

L6 ANSWER 7 OF 11 MEDLINE on STN  
 AN 2001195371 MEDLINE  
 DN 21101965 PubMed ID: 11085985  
 TI **MgcRacGAP** is involved in cytokinesis through associating with mitotic spindle and midbody.  
 AU Hirose K; Kawashima T; Iwamoto I; Nosaka T; Kitamura T  
 CS Division of Hematopoietic Factors, The Institute of Medical Science, University of Tokyo, Minato-ku Tokyo 108-8639, Japan.  
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Feb 23) 276 (8) 5821-8.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200104  
 ED Entered STN: 20010410  
 Last Updated on STN: 20030105  
 Entered Medline: 20010405

L6 ANSWER 8 OF 11 MEDLINE on STN  
 AN 2000469677 MEDLINE  
 DN 20435340 PubMed ID: 10979956  
 TI **MgcRacGAP** is involved in the control of growth and differentiation of hematopoietic cells.  
 AU Kawashima T; Hirose K; Satoh T; Kaneko A; Ikeda Y; Kaziro Y; Nosaka T; Kitamura T  
 CS Department of Hematopoietic Factors and Department of Clinical Oncology, The Institute of Medical Science, University of Tokyo, Minato-ku, Tokyo, Japan.  
 SO BLOOD, (2000 Sep 15) 96 (6) 2116-24.  
 Journal code: 7603509. ISSN: 0006-4971.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English

FS Abridged Index Medicus Journals; Priority Journals  
 OS GENBANK-AB030251  
 EM 200010  
 ED Entered STN: 20001012  
 Last Updated on STN: 20001012  
 Entered Medline: 20001004

L6 ANSWER 9 OF 11 MEDLINE on STN  
 AN 1999425090 MEDLINE  
 DN 99425090 PubMed ID: 10493933  
 TI Structure and expression of murine **mgcRacGAP**: its developmental regulation suggests a role for the Rac/**MgcRacGAP** signalling pathway in neurogenesis.  
 AU Arar C; Ott M O; Toure A; Gacon G  
 CS Institut Cochin de Genetique Moleculaire, INSERM Unite 257, 24 Rue du Faubourg Saint Jacques, 75014 Paris, France.  
 SO BIOCHEMICAL JOURNAL, (1999 Oct 1) 343 Pt 1 225-30.  
 Journal code: 2984726R. ISSN: 0264-6021.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199912  
 ED Entered STN: 20000113  
 Last Updated on STN: 20000113  
 Entered Medline: 19991207

L6 ANSWER 10 OF 11 MEDLINE on STN  
 AN 1999249188 MEDLINE  
 DN 99249188 PubMed ID: 10235109  
 TI Identification and characterization of a transcript for a novel Rac GTPase-activating protein in terminally differentiating 3T3-L1 adipocytes.  
 AU Woollorton E J; Haliotis T; Mueller C R  
 CS Department of Pathology, Queen's University, Kingston, Ontario, Canada.  
 SO DNA AND CELL BIOLOGY, (1999 Apr) 18 (4) 265-73.  
 Journal code: 9004522. ISSN: 1044-5498.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-AF079974  
 EM 199905  
 ED Entered STN: 19990614  
 Last Updated on STN: 20000303  
 Entered Medline: 19990528

L6 ANSWER 11 OF 11 MEDLINE on STN  
 AN 1998165771 MEDLINE  
 DN 98165771 PubMed ID: 9497316  
 TI **MgcRacGAP**, a new human GTPase-activating protein for Rac and Cdc42 similar to Drosophila rotundRacGAP gene product, is expressed in male germ cells.  
 AU Toure A; Dorseuil O; Morin L; Timmons P; Jegou B; Reibel L; Gacon G  
 CS Institut Cochin de Genetique Moleculaire, INSERM Unite 257, 24 Rue du faubourg Saint Jacques, 75014 Paris, France.  
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1998 Mar 13) 273 (11) 6019-23.  
 Journal code: 2985121R. ISSN: 0021-9258.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199804  
 ED Entered STN: 19980416

Last Updated on STN: 20000303  
Entered Medline: 19980407